

Answer on Question #66880, Chemistry / Inorganic Chemistry

a) Starting from Lewis structure, determine the hybridization types of the central (5) atom of TeCl_4 and ICl_4

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b) Write Born-Haber cycle for BaO crystal.

TeCl_4 - sp^3d

ICl_4 - sp^3d^2

$\text{Ba(s)} + 1/2\text{O}_2(\text{g}) \rightarrow \text{BaO}$



Ba(g)

O(g)



$\text{Ba}^{2+}(\text{g}) + \text{O}^{2-}$

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